

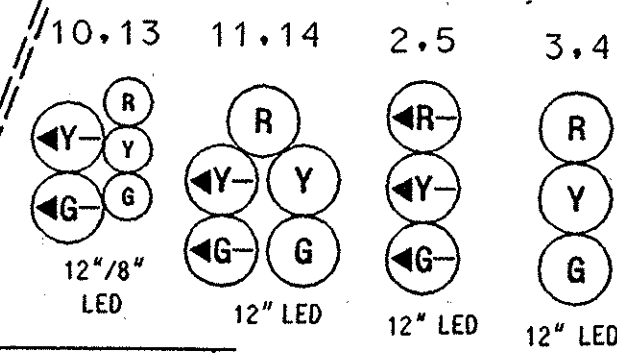
CONSTRUCTION DETAILS

- Use existing base mounted NEMA base cabinet/controller. Install video detection equipment.
- Install 27 ft. steel mast arm pole with 60 ft. mast arm, vehicle signal heads, signs, video detection camera, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
- Install 27 ft. steel mast arm pole with 3 ft. extension pole for relocated CCTV camera, 50 ft. mast arm, vehicle signal heads, signs, video detection camera, 20 ft. luminaire arm, and 250 watt HPS luminaire. (Note: one 3 in. PVC conduit bend).
- Use existing mast arm pole install video detection camera, and sign. Replace existing signal heads with LED heads.
- Install handhole.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trrenched.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted prior to final overlay.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted prior to final overlay.
- Install 1-1/4 inch inner duct for camera assembly.
- Install Non-Invasive micro-loop (set of 3) with 1000 ft. lead-in cable.
- Install 24 in. wide Heat Applied Thermoplastic pavement marking - white for stop line.
- Use existing conduit.
- Use existing handhole.
- Tie new 3 in. PVC conduit to existing conduit run.
- Remove existing mast arm pole and all attached equipment.
- Remove existing mast arm pole and all attached equipment. Relocate existing CCTV Camera to new mast arm pole.
- Remove existing handhole.
- Cap and abandon existing conduit.
- Abandon existing detector.
- Existing metered service pedestal for underground electrical service.
- Use existing cabinet for CCTV camera equipment connections.
- Existing phone drop.

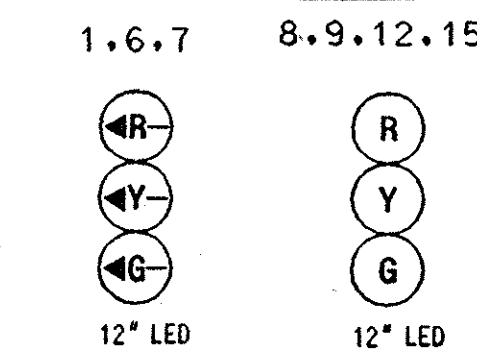
Install One Handhole and Remove One Handhole Located in Break Area

US 1 is to be run in the Northern direction.

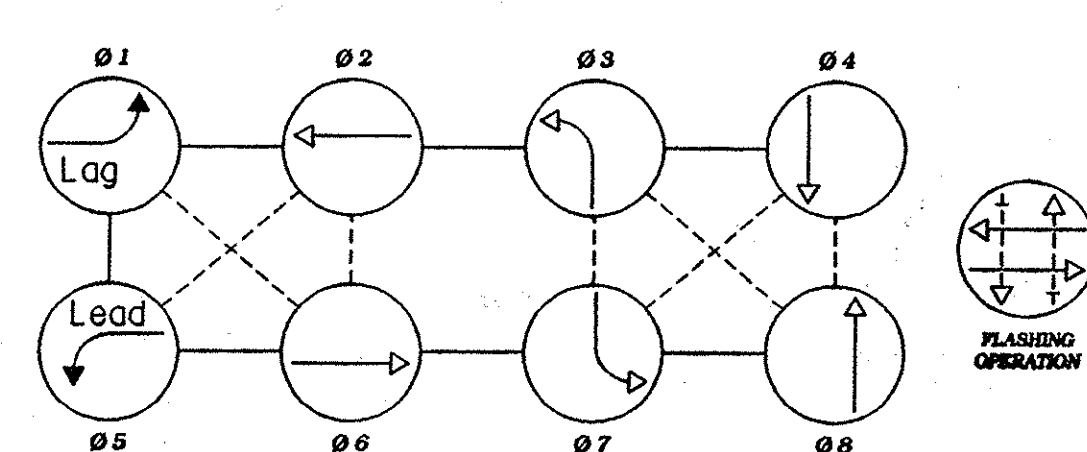
REPLACE EXISTING SIGNALS



PROPOSED SIGNALS

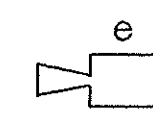


PROPOSED NEMA PHASING

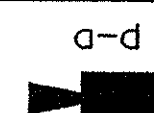


NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.
Phase 01 will lag behind phases 02 & 06

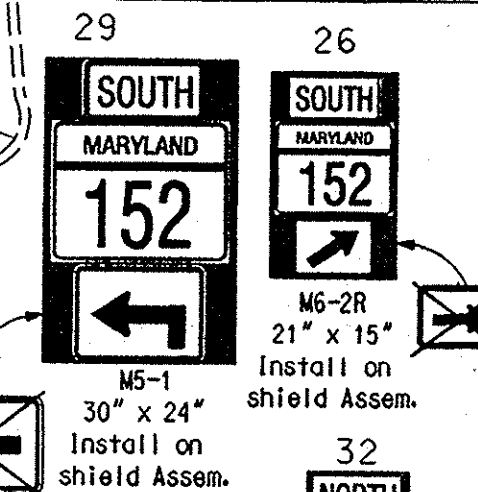
RELOCATED CCTV CAMERA



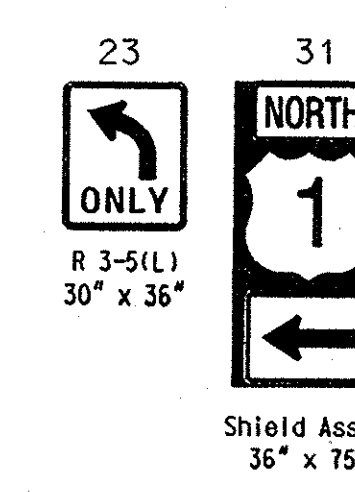
PROPOSED CAMERAS



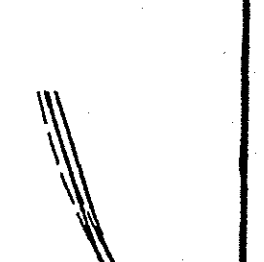
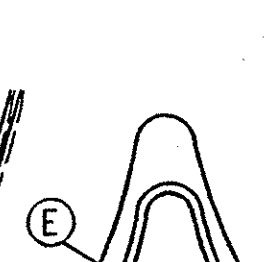
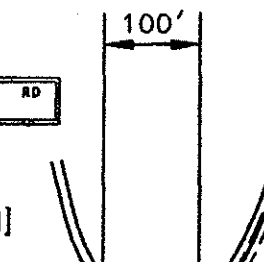
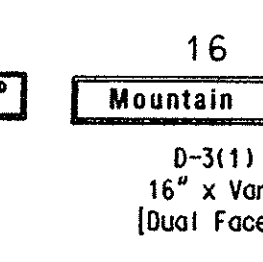
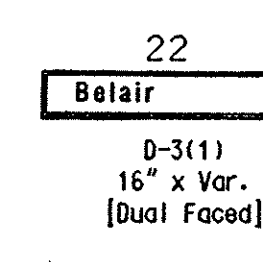
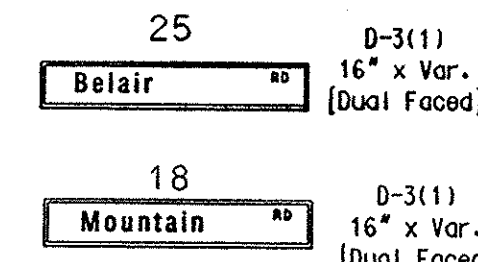
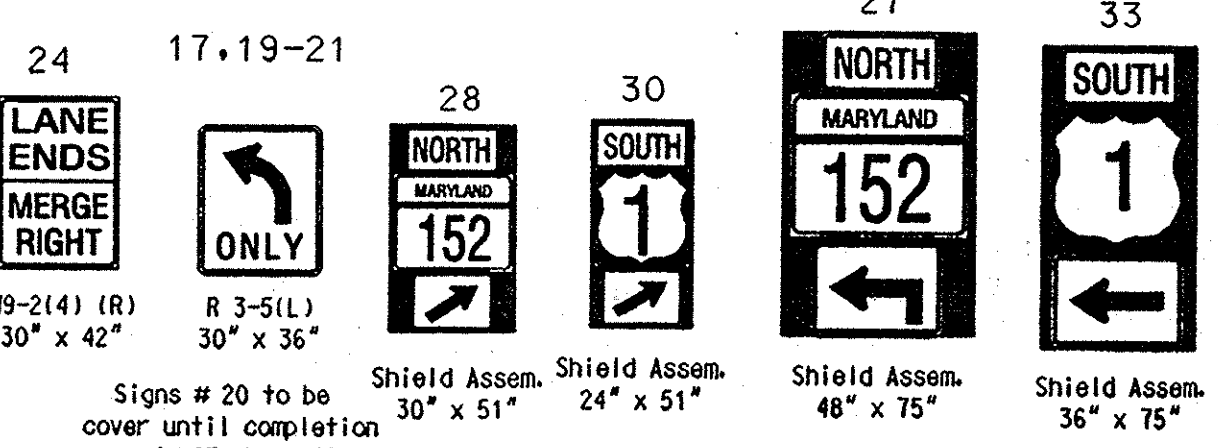
EXISTING SIGNS



EXISTING SIGN



PROPOSED SIGNS



NOTES

- Video camera location/aligning shall be coordinated with the SHA Engineer.
- The contractor shall verify all proposed pole and cabinet locations prior to installation.
- All existing traffic signal equipment removed shall become the property of the signal contractor upon completion of the new signal.
- All proposed luminaires shall be supplied with a photocell.
- For final pavement markings refer to the Pavement Marking Plans. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
- Geometries shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02.
- MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
- All unused cable shall be removed.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 1 (Belair Rd.) at MD 152 (Mountain Rd.)

TRAFFIC SIGNAL PLAN

SCALE 1" = 20'	DATE Dec, 1988	CONTRACT NO. H-879-501-456
DESIGNED BY	COUNTY Harford	
DRAWN BY DCD	LOG MILE 12000101.35	
CHECKED BY SR	T.I.M.S. NO. H-204	
F.A.P. NO. N/A	TOD NO.	
DRAWING NO. TS - 681-J	SHEET NO. 1 OF 2	

APPROVALS	REVISIONS
TEAM LEADER	1. Reconstruction due to geometric changes May 9, 2003 S.H.A. No. 18W996M2
ASST. DIV. CHIEF	2. Installation of CCTV camera Dec 20, 2004 S.H.A. No. A16225186
DIVISION CHIEF	3. Replace SB US 1 passage detection Nov 9, 2003 S.H.A. No. 18W996M2
OFFICE DIRECTOR	

NOTE
These plans are approved for construction for a period of one (1) year from the date of approval. Should construction not begin within this time frame these plans shall be null and void without a re-review from the Traffic Engineering Design Division.

GEOMETRIC LEGEND

== EXISTING GEOMETRICS
--- PROPOSED GEOMETRICS

UTILITY LEGEND

- G - GAS MAIN
- W - WATER MAIN
- S - SEWER MAIN
- E - ELECTRIC CABLES
- D - STORM DRAIN
- A - AERIAL CABLES
- T - TELEPHONE CABLES

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DRILL HOLES

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